



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

10799,897
IFWO
3/22/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT

MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS.

<http://www.uspto.gov/web/offices/pac/checker/chkr4lnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses.

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10799897

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 07/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/799,897

DATE: 03/22/2004

TIME: 15:43:06

Input Set : A:\MSB-7306 SEQLIST.TXT

Output Set: N:\CRF4\03222004\J799897.raw

4 <110> APPLICANT: Clark Pan
 5 Steve Roczniak
 7 <120> TITLE OF INVENTION: VPAC1 SELECTIVE ANTAGONISTS AND THEIR
 8 PHARMACOLOGICAL METHODS OF USE
 11 <130> FILE REFERENCE: MSB-7306
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/799,897
 C--> 13 <141> CURRENT FILING DATE: 2004-03-12

13 <160> NUMBER OF SEQ ID NOS: 6
 15 <170> SOFTWARE: FastSEQ for Windows Version 4.0

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 28

19 <212> TYPE: PRT

20 <213> ORGANISM: Vasoactive Intestinal Peptide

22 <220> FEATURE:

23 <221> NAME/KEY: AMIDATION

24 <222> LOCATION: 28

26 <400> SEQUENCE: 1

27 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln

28 1 5 10 15

29 Met Ala Val Lys Tyr Leu Asn Ser Ile Leu Asn

30 20 25

33 <210> SEQ ID NO: 2

34 <211> LENGTH: 29

35 <212> TYPE: PRT

36 <213> ORGANISM: Growth Hormone Releasing Hormone

38 <220> FEATURE:

39 <221> NAME/KEY: AMIDATION

40 <222> LOCATION: 29

42 <400> SEQUENCE: 2

43 Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln

44 1 5 10 15

45 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg

46 20 25

49 <210> SEQ ID NO: 3

50 <211> LENGTH: 27

51 <212> TYPE: PRT

52 <213> ORGANISM: PACAP27

54 <220> FEATURE:

55 <221> NAME/KEY: AMIDATION

56 <222> LOCATION: 27

58 <400> SEQUENCE: 3

59 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln

60 1 5 10 15

Does Not Comply
 Corrected Diskette Needed

(p.1-2)

↑ This response CAN be inserted into erron section (220) - Summary sheet.

↙ This response CAN be inserted into section (220) - (223).

Invalid (213) Response, see item # 10 on erron summary sheet.

-mandatory, (213) Response, has to be Artificial/Unknown on Genus/Species. Please see item # 10 on erron summary sheet.

Same error

RAW SEQUENCE LISTING

DATE: 03/22/2004

PATENT APPLICATION: US/10/799,897

TIME: 15:43:06

Input Set : A:\MSB-7306 SEQLIST.TXT

Output Set: N:\CRF4\03222004\J799897.raw

61 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu
62 20 25
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 28
67 <212> TYPE: PRT
68 <213> ORGANISM: R2P3 - Same error
70 <220> FEATURE:
71 <221> NAME/KEY: ACETYLATION
72 <222> LOCATION: 1
74 <221> NAME/KEY: VARIANT
75 <222> LOCATION: 2
76 <223> OTHER INFORMATION: D-Phenylalanine
W--> 78 <221> AMIDATION
79 <222> LOCATION: 28
W--> 81 <400> 4
82 His Phe Asp Ala Val Phe Thr Asn Ser Tyr Arg Lys Val Leu Lys Arg
83 1 5 10 15
84 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Leu Cys
85 20 25
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 28
90 <212> TYPE: PRT
91 <213> ORGANISM: R2P11 - Same error
93 <220> FEATURE:
94 <221> NAME/KEY: ACETYLATION
95 <222> LOCATION: 1
97 <221> NAME/KEY: VARIANT
98 <222> LOCATION: 2
99 <223> OTHER INFORMATION: D-Phenylalanine
W--> 101 <221> AMIDATION
102 <222> LOCATION: 28
W--> 104 <400> 5
105 His Phe Asp Ala Val Phe Thr Asn Ser Tyr Arg Lys Val Leu Lys Arg
106 1 5 10 15
107 Leu Ser Val Arg Lys Leu Leu Gln Asp Ile Leu Cys
108 20 25
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 27
113 <212> TYPE: PRT
114 <213> ORGANISM: R2P16 - Same error
116 <220> FEATURE:
117 <221> NAME/KEY: ACETYLATION
118 <222> LOCATION: 1
120 <221> NAME/KEY: VARIANT
121 <222> LOCATION: 2
122 <223> OTHER INFORMATION: D-Phenylalanine
W--> 124 <221> AMIDATION
125 <222> LOCATION: 27
W--> 127 <400> 6

RAW SEQUENCE LISTING

DATE: 03/22/2004

PATENT APPLICATION: US/10/799,897

TIME: 15:43:06

Input Set : A:\MSB-7306 SEQLIST.TXT

Output Set: N:\CRF4\03222004\J799897.raw

128	His	Phe	Asp	Ala	Val	Phe	Thr	Asn	Ser	Tyr	Arg	Lys	Val	Leu	Lys	Arg
129	1				5					10					15	
130	Leu	Ser	Ala	Arg	Lys	Leu	Leu	Gln	Ser	Ile	Leu					
131				20					25							

VERIFICATION SUMMARY

DATE: 03/22/2004

PATENT APPLICATION: US/10/799,897

TIME: 15:43:07

Input Set : A:\MSB-7306 SEQLIST.TXT

Output Set: N:\CRF4\03222004\J799897.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:78 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:81 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:101 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:104 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:124 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:127 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6